

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently amended): A method of searching unstructured data stored in a
2 database, the method comprising:
3 storing unstructured data in a column of a database table in character large object
4 (CLOB) format;
5 receiving user input identifying one or more elements in the unstructured data
6 stored in CLOB format as query elements;
7 generating a set of database tables in response to the user input identifying the one
8 or more elements in the unstructured data as query elements[[,]] the set of database tables
9 configured to translate a query element to an associated user-identified element in the
10 unstructured data; and
11 generating a plurality of database tables representing an intermediate index
12 between each query element and at least one of the one or more elements identified as query
13 elements in the unstructured data stored in CLOB format;
14 generating one or more queries on the unstructured data stored in CLOB format
15 using the query elements;
16 translating a query element associated with a query on the unstructured data based
17 on the plurality of tables to a corresponding element in the unstructured data stored in CLOB
18 format; and
19 obtaining information from the unstructured data stored in CLOB format for the
20 corresponding element.

- 1 2. (Previously presented): The method of claim 1 wherein the one or more
2 queries specify at least one value and an operation that is to be performed on a user-identified
3 element in the unstructured data.

1 3. (Previously presented): The method of claim 2 wherein the one or more
2 queries further include a start date and an end date.

4. (Cancelled)

1 5. (Currently amended): The method of claim [[4]] 1 wherein the unstructured
2 data comprises a well-formed XML document stored within a column of a database table.

1 6. (Currently amended): The method of claim 5 wherein XML fields of the
2 unstructured data are filled with transaction data intercepted from a database transaction prior to
3 committing the transaction based on a predefined mapping to multiple data sources.

1 7. (Previously presented): The method of claim 6 wherein the multiple data
2 sources comprise multiple tables of a database.

1 8. (Original): The method of claim 1 wherein the unstructured data is part of an
2 electronic record stored in a common repository of electronic records that provides an audit trail
3 that cannot be altered or disabled by users of the system.

1 9. (Currently amended): A method of searching XML data stored in a column of
2 a database table in character large object (CLOB) format, the method comprising:

3 storing the XML data in the column of the database table in CLOB format,
4 wherein the XML data comprises a first plurality of XML elements that conform to a first data
5 type definition (DTD) and a second plurality of XML elements that conform to a second DTD;
6 receiving user input identifying one or more elements in the first and second
7 plurality of XML elements as query elements;

8 generating a set of database tables in response to the user input identifying the one
9 or more elements in the first and second plurality of XML elements as query elements, the set of
10 database tables configured to translate a query element to an associated user identified element
11 in the first and second plurality of XML elements; and

12 generating a plurality of database tables representing an intermediate index
13 between each query element and at least one of the one or more elements in the first and second
14 plurality of XML elements identified as query elements in the unstructured data stored in CLOB
15 format;

16 generating one or more queries on the unstructured data stored in CLOB format
17 using the query elements;

18 translating a query element associated with a query on the unstructured data based
19 on the plurality of tables to a corresponding element in the unstructured data stored in CLOB
20 format; and

21 obtaining information from the unstructured data stored in CLOB format for the
22 corresponding element.

1 10. (Currently amended): The method of claim 9 wherein the first and second
2 DTDs include first and second XML elements, respectively, that share a common name but
3 represent different types of data; and

4 wherein translating a query element associated with a query on the unstructured
5 data based on the plurality of tables to a corresponding element in the unstructured data stored in
6 CLOB format comprises the set of database tables are configured to translate translating a first
7 query element that represents the first XML element and not the second XML element and a
8 second query element that represents the second XML element and not the first XML element.

1 11. (Currently amended): A computer system for searching unstructured data
2 stored in a database, the computer system comprising:

3 a processor;
4 a database; and
5 a computer-readable memory coupled to the processor, the computer-readable
6 memory configured to store a computer program;

7 wherein the processor is operative with the computer program to:
8 (i) store unstructured data in a column of a database table in character
9 large object (CLOB) format;

- (ii) receive user input identifying one or more elements in the unstructured data stored in CLOB format as query elements;
- (iii) generate set of database tables in response to the user input identifying the one or more elements in the unstructured data as query elements, the set of database tables configured to translate a query element to an associated user-identified element in the unstructured data; and generating a plurality of database tables representing an intermediate index between each query element and at least one of the one or more elements identified as query elements in the unstructured data stored in CLOB format;
- (iv) generating one or more queries on the unstructured data stored in CLOB format using the query elements;
- (v) translating a query element associated with a query on the unstructured data based on the plurality of tables to a corresponding element in the unstructured data stored in CLOB format; and
- (vi) obtaining information from the unstructured data stored in CLOB format for the corresponding element.

12. (Previously presented): The computer system of claim 11 wherein the one or more queries specify at least one value and an operation that is to be performed on a user-identified element in the unstructured data.

13. (Canceled)

14. (Previously presented): The computer system of claim 11 wherein the unstructured data comprises well-formed XML documents stored within a column of a table stored in the database.

15. (Original): The computer system of claim 14 wherein fields of the unstructured data are filled with transaction data from a database transaction based on a predefined mapping to multiple data sources.

1 16. (Currently amended): A computer-readable storage medium storing a
2 computer program operative with a processor of a computer system for searching unstructured
3 data stored in a database, the computer program comprising:
4 code for storing unstructured data in a column of a database table in character
5 large object (CLOB) format;
6 code for receiving user input identifying one or more elements in the unstructured
7 data stored in CLOB format as query elements;
8 code for generating a set of database tables in response to the user input
9 identifying the one or more elements in the unstructured data as query elements, the set of
10 database tables configured to translate a query element to an associated user-identified element
11 in the unstructured data, and generating a plurality of database tables representing an
12 intermediate index between each query element and at least one of the one or more elements
13 identified as query elements in the unstructured data stored in CLOB format;
14 code for generating one or more queries on the unstructured data stored in CLOB
15 format using the indexed query elements;
16 code for translating a query element associated with a query on the unstructured
17 data based on the plurality of tables to a corresponding element in the unstructured data stored in
18 CLOB format; and
19 code for obtaining information from the unstructured data stored in CLOB format
20 for the corresponding element.

1 17. (Previously presented): The computer program of claim 16 wherein the one
2 or more queries specify at least one value and an operation that is to be performed on a user-
3 identified element in the unstructured data.

18. (Canceled)

1 19. (Original): The computer program of claim 16 wherein the unstructured data
2 comprises well-formed XML documents stored within a column of a table stored in the database.

- 1 20. (Original): The computer program of claim 16 wherein fields of the
- 2 unstructured data are filled with transaction data from a database transaction based on a
- 3 predefined mapping to multiple data sources.